

Solve - verbal model.

Bella eats 8 cups of dog food in 2 days. About how much food does she eat in 5 days?

To solve: Use a proportion. Let f = amt. of food in 5 days

$$\frac{\text{Amt. of food eaten}}{2 \text{ days}} = \frac{\text{Amt. of food eaten}}{5 \text{ days}}$$

$$\frac{8 \text{ cups}}{2 \text{ days}} = \frac{f \text{ cups}}{5 \text{ days}}$$

$$40 = 2f$$

$$20 = f$$

$\therefore 20$ cups food / 5 days

Solve using equation

$$\frac{9}{12} = \frac{45}{30}$$

$$30y = 12 \cdot 45$$

$$30y = 540$$

$$\frac{30y}{30} = \frac{540}{30}$$

Solve: A) $\frac{4}{7} = \frac{8}{b}$

B) $\frac{49}{14} = \frac{z}{2}$

C) $\frac{p}{9} = \frac{25}{15}$